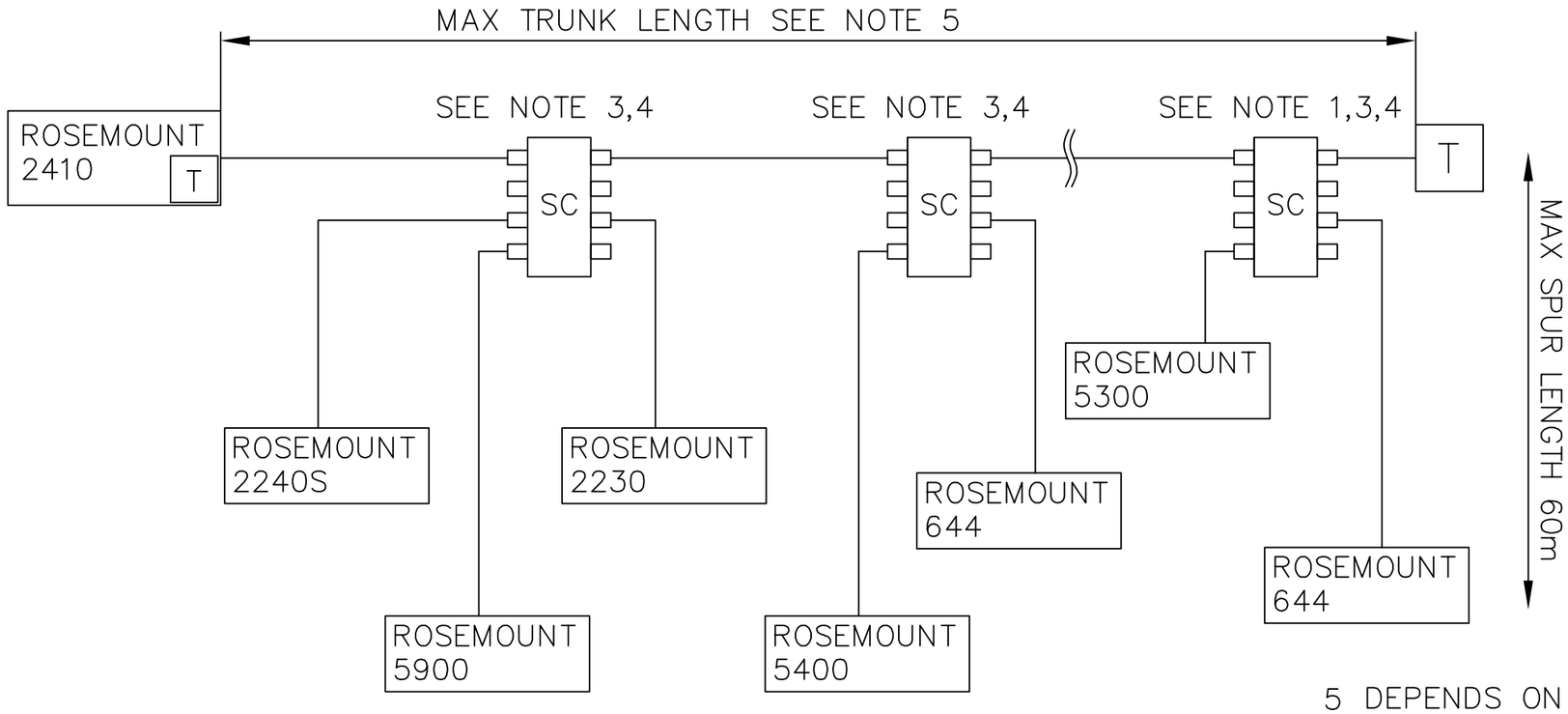
SYSTEM INSTALLATION EXAMPLE



IMPORTANT!
ALWAYS MAKE A SEGMENT DESIGN TO VERIFY
–SEGMENT MAX CURRENT CONSUMPTION
–SEGMENT MIN VOLTAGE SUPPLY TO ALL DEVICES
–SEGMENT MAX CABLE LENGTH (TRUNK + SPUR)

SC=SEGMENT COUPLER

T=TERMINATOR

TRUNK=CABLE BETWEEN THE POWER SUPPLY AND THE FIELD DEVICE LOCATED ATT THE END OF THE SEGMENT.

SPUR=CABLE CONNECTING A DEVICE TO THE TRUNK.

5 DEPENDS ON SEGMENT TOTAL CURRENT CONSUMPTION, CABLE TYPE AND MIN VOLTAGE REQUIREMENT TO CONNECTED DEVICES.

4 VERIFY MIN VOLTAGE SUPPLY TO SC ON TRUNK.

3 IF SC WITH SPUR SHORT CIRCUIT PROTECTION IS USED, MAX CURRENT LIMIT MUST BE IN ACCORDANCE WITH THE CURRENT CONSUMPTION OF THE CONNECTED DEVICES.

2 FISCO PARAMETERS FOR TANKBUS CABLES:
–LOOP RESISTANCE Rc: 15...150 ohm/km
–LOOP INDUCTANCE Lc: 0.4–1mH/km
–CAPACITANCE PER UNIT LENGTH Cc: 45–200 nF/km

1 THERE MUST BE A TERMINATION ON END OF TRUNK. USE BUILT IN TERMINATOR IN SC OR AN EXTERNAL TERMINATOR.

ISSUED BY	WEEK	PRODUCT CODE	FILE	INSTALLATION DRAWING TITLE
EMe–BL	1106	5900	ACAD	SYSTEM INSTALLATION DRAWING WITH SEGMENT COUPLERS
APPROVED BY	WEEK	ORIGINAL DWG NO.	SCALE	
EE–MK	1108	–	–	

ROSEMOUNT Tank Gauging

1 ST ANGLE

DOC TYPE	DWG NO.	ISSUE	SHEET
02	D9240041–962	03	01

INST. DWG. A3 070213